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SOLE/JOINT

s.

DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING

	PATHWAY AND THER	APEUTIC AND DIAGNO	STIC APPLICATIONS BA	SED THEREON
which applicat the s (for original ar	ion is: attached application		☑ Application No. filed July 27, 2001, and	
amended by an material to the States Code §1 and have also	ny amendment referred to all patentability of this applicability of this applicable and not all the second of the	bove; that we acknowledge o ation under 37 C.F.R. § 1.50 ovisional application or forel foreign application for paten	ur duty to disclose information, that we hereby claim priorien en application(s) for patent or	plication, including the claims, as on of which we are aware which is ity benefits under Title 35, United inventor's certificate listed below this invention having a filing date
Applicati	ion Number	Country	Filing Date	Priority Claimed
60/2	21,502	United States	July 28, 2000	YES
subject matter provided by the to the patental	of each of the claims of	this application is not disclo 5, United States Code, §112, der 37 C.F.R. 1.56 which oc f this application:	osed in a listed prior United We acknowledge our duty to	(s) listed below and, insofar as the States application in the manner disclose any information material te of the prior application and the
	Application No.	Filing Date		Status
Darryl Mexic, Waddell A. B 28,703; John Turner, Reg. 31,333; Gorda 32,197; Willia Rosner, Reg. Robert M. M transact all but be addressed D.C. 20037-3	, Reg. No. 23,063; Robert Viggart, Reg. No. 24,861; Lo R. Inge, Reg. No. 26,916; No. 29,710; Howard L. Beon Kit, Reg. No. 30,764; Su am H. Mandir, Reg. No. 33,276; Bruce E. Kranasters, Reg. No. 35,603 and isiness in the Patent and Trato SUGHRUE, MION, 213.	V. Sloan, Reg. No. 22,775; Penuis Gubinsky, Reg. No. 24,8: Joseph J. Ruch, Jr., Reg. No. 11, Reg. No. 25,665; Alsan J. Mack, Reg. No. 30,952,156; Scott M. Daniels, Reg. No. 33,725; Paul J. M. George F. Lehnigk, Reg. Idemark Office connected the ZINN, MACPEAK & Sl	ter D. Olexy, Reg. No. 24,51 35; Neil B. Siegel, Reg. No. 2 o. 26,577; Sheldon I. Lands: an J. Kasper, Reg. No. 25,42 1; Frank L. Bernstein, Reg. No. 32,562; Brian W. Ham F. Neils, Reg. No. 33,102; B. No. 36,359, our attorneys to rewith, and request that all co	pert J. Seas, Jr., Reg. No. 21,092; 3; J. Frank Osha, Reg. No. 24,625; 5,200; David J. Cushing, Reg. No. nan, Reg. No. 25,430; Richard C. 6; Kermeth J. Burchfiel, Reg. No. Io. 31,484; Mark Boland, Reg. No. non, Reg. No. 32,778; Abraham J. rett S. Sylvester, Reg. No. 32,765; prosecute this application and to prespondence about the application vania Avenue, N.W., Washington,
belief are beli	leved to be true; and further nunishable by fine or impr	that these statements were misonment, or both, under Se	ade with the knowledge that	atements made on information and willful false statements and the like United States Code and that such
Date	17-9,2001	First Invento		BASLER [iddle Initial Last Name
Residence	Zürich City	SWITZERLAND State/Country	lignature Kewed	Barley

c/o Institute of Molecular Biology, UNIZH

Winterthurerstrasse 190, CH-8057, Zürich, SWITZERLAND

S. 10/10

Date	·		Second Inventor	Erich		BRUNNER
Residence	Zürich	SWITZERLAN	ID Signat	First Name mre	Middle Initial	Last Name
	City	State/Country				
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		Rämistrasse 100, CH-8091,		LAND		
Citizenship	SWITZE	RLAND				
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Date	10.70	n	Third Inventor	Barbara First Name	Middle Initial	FROESCH Last Name
Residence	Zürich	SWITZERLAN	D Signat	() -1	""" 艾 柔瓜	A STATE
	City	State/Country				
Post Office A	ddress:	c/o Institute of Molecular B	iology, UNIZH	<u> </u>		
		Winterthurerstrasse 190, CI	1-8057, Zürich, SX	TTZERLAND		
Citizenship	SWITZE	RLAND				
Omoninp	BWIIZE	KLEAUD				
Date	18.9.0	1	Fourth Inventor	Thomas		VD 43 (DC)
	14 110		romm myenme	Thomas First Name	Middle Initial	KRAMPS Lust Name
Residence	Zürich	SWITZERLAN	ID Signat	ure <u>T. k</u>	Eramps	
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Citizenship	CEDIA					
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Date			Pifth Inventor	Oliver First Name	Middle Initial	PETER Last Name
Residence	Zürich	SWITZERLAN	D Signat			
	City	State/Country				
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Citizenship	SWITZE	KLANU				-
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Date			Sixth Inventor	First Name	Middle Initial	Last Name
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Citizenship			-			

ISLER&PEDRAZZINI AG

05/10 SOLEJOINT

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DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING PATHWAY AND THERAPEUTIC AND DIAGNOSTIC APPLICATIONS BASED THEREON

which application is: the attached application (for original application)	M Application No. filed July 27, 2001, and amended on July 27, 2001 and (for declaration not accompanying application)

that we have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, United States Code \$119, \$172 or \$365 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of any foreign application on which priority is claimed:

Priority Claimed Filing Date Application Number YES July 28, 2890 United States 60/221,582

We hereby claim the benefit of Title 35, United States Code \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge our duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.

Filing Date

Statut

We hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,061; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Rog. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon L. Landsman, Reg. No. 25,430; Richard C. Tumer, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 25,665; Alan J. Kasper, Reg 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our attemptys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are helieved to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisogment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Data		First		Konrad First Name	BASLER Middle Initial	Last Name
Residence	Zîrîch Cîty	SWITZERLANU State/Country	Signatur	t		
Post Office A	idress:	c/o Institute of Molecular Biolog Winterthurerstrasse 190, CH-805		IZERLAND		
Citizenship	<u>switze</u>	RLAND				

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 Date <u>12</u>	. Septu	mber 2001	Second Inventor	Erich Flor Name	MALLETTA SOSSIAL	BRUNNER Last Name	K
Residence	Zūrich City	SWITZERLAN State/Country	D Signat	- Frile	Middle Initial	1125	
Post Office A	idress:	c/o University Respital Zind		LAND			
Citizenship	SWITZE						
Dato	10.9 6	n	Third Inventor	Ranbara Plan Name	Middle Imitial	FROESCH Last Name	
Residence	Zürich City	SWITZERLAN State/Country	D Signat	me B.M	51		
Post Office A	ddress:	c/o Institute of Molecular B Winterthurerstrasse 190, CI		TIZERLAND			
Citizenskip	SWITZE	RLAND		-			
Date			Fourth Inventor	Thomas First Name	Middle Initial	KRAMPS Last Name	
Residence	Zürich City	SWITZERLAN State/Country	D Signat				
Post Office A	fdress:	c/o Institute of Molecular B Winterthurerstrasse 190. CI		TIZERLAND			
Citizenship	GERMA	NY				·	
Date			Fifth Inventor	Oliver First Name	Middle Initial	PETER Last Name	
Residence	Zürich City	SWITZERLAN State/Country	D Signat	-	naiger side		<u>.</u>
Post Office A	ddress:	c/o University Hospital Züri Rămistrasse 100, CH-8091,		LAND			
Cîtizeoship	SWITZE	RLAND					
Date			Sixfu Inventor		•		
Residence	City	State/Country	Signal	First Name ure	Middle Initial	Lust Name	
Post Office Ad	_						
							

DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING PATHWAY AND THERAPEUTIC AND DIAGNOSTIC APPLICATIONS BASED THEREON

which application is:

If the attached application
(for original application)

El Application No.

filed July 27, 2001, and smeaded on July 27, 2001

and

(for declaration not accompanying application)

that we have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, United States Code §119, §172 or §265 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this inventor having a filing date before that of any foreign application on which priority is claimed:

Application Number

Country

Filing Date

Priority Claimed

60/221,503

United States

July 28, 2000

YES

We hereby claim the benefit of Title 35. United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge our duty to disclose any information material to the patentshiftry of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.

Filing Date

Status

W hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Oshs, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,775; Paul F. Neils, Reg. No. 33,102; Brent S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our strorneys to prosecute this application and to transact all business in the Patent and Trademark Office commercied therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

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Date ·		Fi	First Inventor		BASLE	R
				First Name	Middle Inital	Last Name
Residence	Zürich	SWITZERLAN	DSignati	ne		
	City	State/Country				
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Citizenship	SWITZ	ERLAND			·	

S. 08/10

Date			Secor	nd Inventor	Erich		BRUNNER
Residence	Zürich	SWIT	ZERLAND	Signat	First Name	Middle Initial	Last Name
	City		Country				
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		Rämistrasse 100, (H-8091, Zürich	SWITZER	LAND		
Citizenship	SWIIZ	ERLAND					
				·			
Date	10.5	an	Third:	Invenme	Barbara		FROESCH
Residence	Zürich	SWIT	ZERLAND	Signate	First Name	Tight Middle Initial	Last Name
	City	State/C	Country			1444	·
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		Winterthurerstrasse	190, CH-8057,	Zürich, SWI	TZERLAND		
Citizenship	SWITZE	RLAND	·				
Date		•	Fourth :	Inventor .	Thomas		KRAMPS
Residence	Zürich	SWITZ	ERLAND	Signatur		Middle infail	Last Name
	City	State/C	buntry				
Post Office	Address:	c/o Institute of Mole	cular Biology, U	NIZH			
		Winterthurerstrasse	190, CH-8057, Z	ūrich, SWI	ZERLAND		
Citizenship	GERMAI	NY					
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Date	12.03.	5001	Fifth Im		Oliver		PETER
Residence	Zürich	SWITZ	ERLAND	Signature	First Name	Middle Initial	Last Name
	City	State/Co				161-0	مسميا
Post Office A	ddress:	c/o University Hospi	tal Zürich				
	-	Rămistrasse 100, CH	-8091, Zürich, S	WITZERLA	ND ·		***
Citizenship	SWITZER			•			
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Date	· · · · · · · · · · · · · · · · · · ·		Sixth Inv	entor			
Residence				F	int Name	Middle Initial	Last Name
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